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## Mario D.

### Senior Software Developer, Tech Lead

#### SUMMARY

- Senior Full-Stack Developer with 12+ years of experience in software engineering;
- Certified in .NET Microservices, Scrum Master, and Python Programming;
- Skilled in building scalable web applications using .NET (Core, 6–9), C#, and ASP.NET;
- Strong experience in microservices architecture, CQRS pattern, and RESTful API design;
- Familiar with Vertical Slice architecture and Domain-Driven Design principles;
- Proficient in front-end development with Vue.js, Angular, Kendo UI, and SASS;
- Experience with modular frontend architecture using single-spa;
- Hands-on experience with Microsoft Azure (App Service, Container Registry, Azure SQL);
- Implemented CI/CD pipelines using Azure DevOps, Azure Pipelines, Git, and Kubernetes;
- Worked with SQL Server, NoSQL databases, SignalR, WireMock.NET;
- Familiar with Node.js and PHP for backend tasks and system integration.

#### SKILLS

<b>Main Technical Skills</b>	SQL (12 yr.), .NET (12 yr.)
<b>Programming Languages</b>	C#, JavaScript, PHP (6 yr.)
<b>JavaScript Frameworks</b>	Angular (3 yr.), Backbone.js, jQuery, Node.js (3 yr.), Vue.js (3 yr.)
<b>Mobile Frameworks and Libraries</b>	Architecture Components (5 yr.)
<b>.NET Platform</b>	ASP.NET Core Framework (6 yr.), ASP.NET MVC Pattern, Entity Framework (6 yr.), .NET (12 yr.), .NET Core (6 yr.), .Net WCF, WPF
<b>UI Frameworks, Libraries, and Browsers</b>	jQuery, Kendo UI, SASS
<b>Ruby Frameworks</b>	Ruby on Rails (2 yr.)
<b>JavaScript Libraries and Tools</b>	Underscore.js
<b>Databases &amp; Management Systems / ORM</b>	MySQL (5 yr.), NoSQL, Oracle Database, SQL (12 yr.)

<b>Cloud Platforms, Services &amp; Computing</b>	Azure (3 yr.)
<b>Azure Cloud Services</b>	Azure (3 yr.), Azure DevOps (5 yr.)
<b>Methodologies, Paradigms and Patterns</b>	Agile, REST, Scrum
<b>Version Control</b>	Gitflow
<b>SDK / API and Integrations</b>	JSP Liferay, Web API, Winforms
<b>Deployment, CI/CD &amp; Administration</b>	Kubernetes (2 yr.)

## WORK EXPERIENCE

### Developer – Independent Consultant, B2B Platform Development

**Duration:** September 2024 - Present

**Summary:** Currently developing a B2B platform focused on billing and other business processes.

**Responsibilities:** Responsible for requirements analysis, architecture design, implementation, testing, and deployment.

**Technologies:** .NET 9, Microservices, CQRS pattern, Entity Framework, Vertical Slice architecture.

### Technical Lead, CON&SEL15, Consultoría y Selección

**Duration:** May 2024 - February 2025

**Summary:** CON&SEL15 (Consultoría y Selección) is a Spanish consulting firm.

#### Responsibilities:

- Lead the software development team, improving architecture and ensuring system scalability and performance;
- Oversee bug fixing and the resolution of technical issues to maintain system stability;
- Manage the entire software development lifecycle using .NET 8 and Vue 3;
- Utilize Microsoft Azure services, including App Service, Container Registry, and Azure SQL, for efficient cloud operations;
- Implement CI/CD pipelines with Azure Pipelines and oversee code management with Git and Azure DevOps;
- Apply Scrum methodology for agile project management to ensure continuous delivery and iterative improvements;
- Collaborate with stakeholders to align software solutions with business objectives and goals.



**Technologies:** .NET 8, Vue 3, Microsoft Azure (App Service, Container Registry, Azure SQL), Azure Pipelines, Git, Azure DevOps.

### **Senior Developer, Full-stack Solution Development**

**Duration:** July 2023 - February 2025

**Summary:** Created robust and scalable full-stack solutions with a focus on efficient Web APIs.

#### **Responsibilities:**

- Creating robust and scalable full-stack solutions with .NET technologies, focusing on the development of efficient Web APIs for reliable data exchange;
- Building dynamic user interfaces using Kendo UI, Backbone.js, and Underscore.js, enhancing user experience and application interactivity;
- Designing and managing SQL Server databases, focusing on efficiency, scalability, and reliability;
- Leveraging SignalR for real-time communications and ASP.NET Core for creating robust and secure backend systems;
- Implementing best practices in software development, including ObjectOriented Programming (OOP) and API development, ensuring maintainable and scalable solutions;
- Collaborating with cross-functional teams to deliver impactful features and optimize system performance.

**Technologies:** .NET technologies, Kendo UI, Backbone.js, Underscore.js, SQL Server, SignalR, ASP.NET Core, OOP.

### **Senior Developer, DigitalProfIT y Grupo Samtel**

**Duration:** January 2023 - July 2023

**Summary:** DigitalProfIT is a strategic consulting firm specializing in digital transformation and business optimization, offering services such as business strategy, workflow design, and IT value assessments.

#### **Responsibilities:**

- Developed and maintained web applications using .NET Core 3.1 as the backend framework, ensuring robust and scalable solutions;
- Collaborated with teams using Team Foundation Server (TFS) for source control, project management, and building automation;
- Designed and optimized relational databases with SQL Server, focusing on performance and data integrity;
- Built dynamic and responsive user interfaces with Angular, improving user experience and satisfaction;
- Participated in the entire software development lifecycle, from requirement analysis and architecture design to testing and deployment;
- Worked in agile teams, contributing to sprints and delivering high-quality code on schedule.

**Technologies:** .NET Core 3.1, Team Foundation Server (TFS), SQL Server, Angular.



## Senior Developer, Uruit

**Duration:** September 2022 - March 2023

**Summary:** Uruit is a software development company that builds web and mobile applications.

### Responsibilities:

- Developed scalable backend solutions for a U.S.-based company in the health sector, leveraging .NET 6, Node.js, and SQL Server;
- Built and optimized RESTful APIs to ensure seamless integration between applications, focusing on performance and security;
- Implemented GitFlow workflows for efficient version control and collaboration within a distributed development team;
- Worked extensively with databases, including query optimization and schema design, to support high-availability systems;
- Applied Object-Oriented Programming (OOP) principles to deliver clean, maintainable, and reusable code in C#;
- Collaborated closely with cross-functional teams to deliver features that improved system reliability and user satisfaction.

**Technologies:** .NET 6, Node.js, SQL Server, RESTful APIs, GitFlow, OOP.

## Senior Developer, Endava

**Duration:** August 2021 - September 2022

**Summary:** Endava is a technology company that provides digital transformation and software development services across multiple industries.

### Responsibilities:

- Developed a Mocking Framework and an Event Mocking Framework for a leading American bank, leveraging .NET Core, NoSQL databases, and WireMock.NET to enhance testing capabilities and improve system reliability;
- Frontend development for a payments project, using Angular 11, SASS, and a Microfrontend architecture implemented with single-spa, enabling modular and scalable user interfaces;
- Utilized Azure DevOps and Kubernetes to streamline CI/CD processes and manage containerized applications effectively;
- Collaborated in cross-functional teams, applying Object-Oriented Programming (OOP) and GitFlow methodologies to ensure clean code and efficient project delivery.

**Technologies:** .NET Core, NoSQL databases, WireMock.NET, Angular 11, SASS, single-spa, Azure DevOps, Kubernetes.

## Technical Support Engineer C# (L3), Thales

**Duration:** August 2020 - August 2021

**Summary:** Thales is a global technology company that develops systems for aerospace, defense, security, and transportation.



### **Responsibilities:**

- Developed and enhanced the Capture Suite application using WPF, focusing on the integration of biometric and signature capture devices such as the Greenbit ten-fingerprint scanner, Akiyama biometric camera, and Signotec signature pad;
- Implemented seamless interaction with RESTful APIs, ensuring efficient communication between devices and backend services;
- Worked extensively with Object-Oriented Programming (OOP) in C#, applying clean coding practices to deliver robust and maintainable solutions;
- Collaborated with teams using GitFlow methodologies to manage version control and streamline development workflows.

**Technologies:** WPF, RESTful APIs, OOP, C#, GitFlow.

### **Technical Leader, W2D IT**

**Duration:** September 2019 - August 2020

**Summary:** W2D IT is a Colombian company specializing in information technology projects, focusing on developing applications and business solutions for medium and large enterprises across various sectors.

### **Responsibilities:**

- Led the development and implementation of BIOMIG Software, a cutting-edge system for automated migration processes at El Dorado Airport in Bogotá, Colombia;
- Oversaw the development of features using .NET, WinForms, ASP.NET, and AngularJS, ensuring high performance and reliability;
- Integrated advanced technologies, including Iris Recognition systems, Gemalto Document Readers, and - Migratory Lanes, to enhance biometric security and streamline passenger processing. Implemented real-time monitoring with SignalR, enabling live updates and system transparency;
- Guided a cross-functional team, ensuring adherence to best practices in Object-Oriented Programming (OOP), and utilized tools such as Git and Visual Studio for efficient project delivery.

**Technologies:** .NET, WinForms, ASP.NET, AngularJS, Iris Recognition systems, Gemalto Document Readers, SignalR, OOP, Git, Visual Studio.

### **.NET Senior Developer, IT Consultancy Group Corp**

**Duration:** July 2016 - September 2019

**Summary:** IT Consultancy Group Corp is a consulting firm with a multidisciplinary team specializing in software development and implementation, primarily serving the financial sector.

### **Responsibilities:**

- Developed and maintained applications using .NET, ensuring scalability and reliability across enterprise-level solutions;



- Designed and implemented Web Services and WCF, facilitating seamless communication between distributed systems;
- Built responsive and dynamic frontends with Angular and AngularJS, enhancing user experience and functionality;
- Delivered robust backend solutions through Web API development and optimized database operations in SQL Server;
- Collaborated in agile environments, applying Scrum methodology to deliver high-quality software on time;
- Created detailed requirements analyses and reports using SQL Reporting Services, aligning technical solutions with business needs.

**Technologies:** .NET, Web Services, WCF, Angular, AngularJS, Web API, SQL Server, SQL Reporting Services, Scrum.

### **Senior Software Development Engineer, Data Tools S.A.**

**Duration:** August 2015 - March 2016

**Summary:** Data Tools S.A. is a Colombian company specializing in IT and business process outsourcing services, focusing on sectors like transit, health, and tax management.

#### **Responsibilities:**

- Developed an integration library for the Document Reader Device and AssureID SDK, enabling robust document authentication processes at El Dorado Airport in Bogotá, Colombia;
- Utilized WinForms and Windows Services to create a seamless user interface and background services for handling complex workflows;
- Implemented WCF for efficient communication between components, ensuring reliable and secure data exchange;
- Managed and optimized databases in Oracle and Microsoft SQL Server, ensuring data integrity and performance for mission-critical operations;
- Applied Object-Oriented Programming (OOP) principles in C# to deliver maintainable and scalable solutions;
- Collaborated closely with stakeholders, conducting requirements analysis to align technical solutions with project objectives.

**Technologies:** WinForms, Windows Services, WCF, Oracle, Microsoft SQL Server, OOP, C#.

### **Software Developer, Azteca Comunicaciones Colombia**

**Duration:** June 2014 - July 2015

**Summary:** Azteca Comunicaciones Colombia is a Colombian company providing high-quality fiber optic and internet connectivity services across the country.

#### **Responsibilities:**

- Developed and maintained software solutions using ASP.NET and SQL Server, ensuring robust and scalable applications;
- Designed and implemented Windows Communication Foundation (WCF) services to enable seamless communication between distributed systems;



- Integrated dynamic and responsive features with jQuery, enhancing user interactions and improving frontend performance;
- Applied Object-Oriented Programming (OOP) principles in C# to create clean, maintainable, and reusable code;
- Collaborated closely with cross-functional teams to deliver high-quality software on time and within scope.

**Technologies:** ASP.NET, SQL Server, WCF, jQuery, OOP, C#.

### **Software Developer, People Contact**

**Duration:** September 2013 - June 2014

**Summary:** Development in various programming languages and technologies for multiple projects.

**Responsibilities:** Engaged in software development using different tech stacks.

**Technologies:** .NET, SQL Server, PHP, Java, JavaScript, jQuery.

### **Junior Software Developer, GHL Hoteles**

**Duration:** February 2013 - June 2013

**Summary:** GHL Hoteles is a Latin American hotel chain with 61 locations across 9 countries, offering accommodations, event spaces, and dining services.

**Responsibilities:** Participated in software development using ASP.NET MVC, and focused on frontend development with jQuery.

**Technologies:** ASP.NET MVC 4, SQL Server, Kendo UI, jQuery.

### **Junior Software Developer, UPARSISTEM**

**Duration:** June 2011 - February 2013

**Summary:** Application development in a range of web-based technologies.

**Responsibilities:** Engaged in the development of applications leveraging JSP and jQuery.

**Technologies:** JSP, MySQL, jQuery, JavaScript.

## **EDUCATION**

### **Máster Universitario en Ingeniería de Software y Sistemas Informáticos**

UNIR Formación Profesional

2023 - 2025

### **Bachelor's Degree in Systems Engineering**

Universidad Popular del César

2005 - 2011



## **CERTIFICATION**

- Curso de ECMAScript 6
- .NET Microservices: CQRS & Event Sourcing with Kafka
- Scrum Master Professional Certificate
- Curso de Programación en Python

